

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\  
 Data File : BM010097.D  
 Acq On : 22 May 2017 12:00  
 Operator : SJ/MA  
 Sample : I3177-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EAST

Quant Time: May 23 05:52:33 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:25:49 2017  
 Response via : Initial Calibration

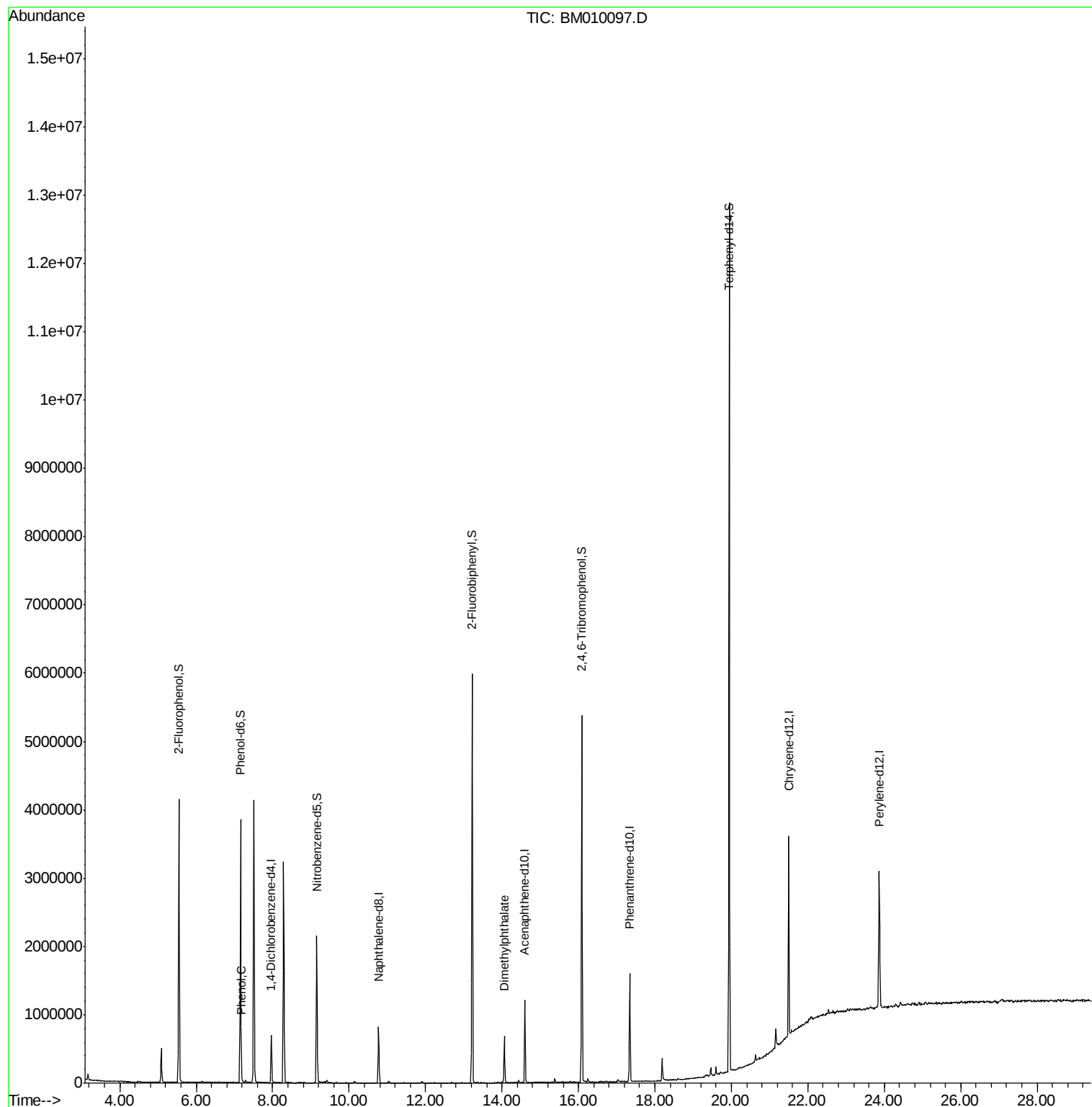
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 178122   | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.77 | 136  | 607001   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 14.60 | 164  | 384068   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 17.34 | 188  | 943460   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 21.50 | 240  | 1418352  | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 23.87 | 264  | 1572767  | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.55  | 112  | 1600212  | 162.23 | ng    | 0.00      |
| 7) Phenol-d6                | 7.16  | 99   | 1999257  | 157.52 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 1238840  | 110.11 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.09 | 330  | 946898   | 162.33 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.22 | 172  | 2991288  | 100.13 | ng    | -0.01     |
| 78) Terphenyl-d14           | 19.94 | 244  | 5191315  | 83.22  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.19  | 94   | 41951    | 3.14   | ng    | Qvalue 98 |
| 49) Dimethylphthalate       | 14.06 | 163  | 416034   | 12.14  | ng    | # 98      |

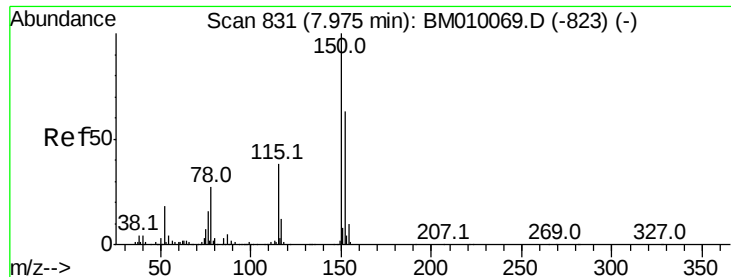
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 20 04:25:49 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

Instrument :

BNA\_M

ClientSampled :

EAST

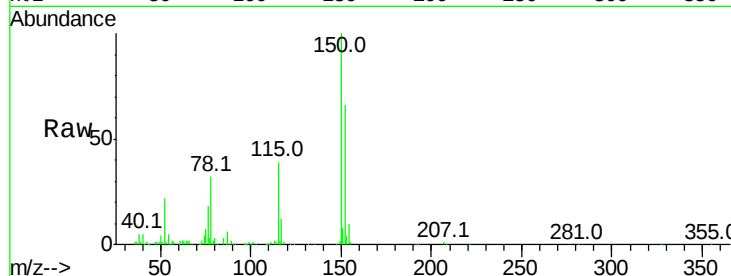
Tot Ion:152 Resp: 178122

Ion Ratio Lower Upper

152 100

150 152.4 119.5 179.3

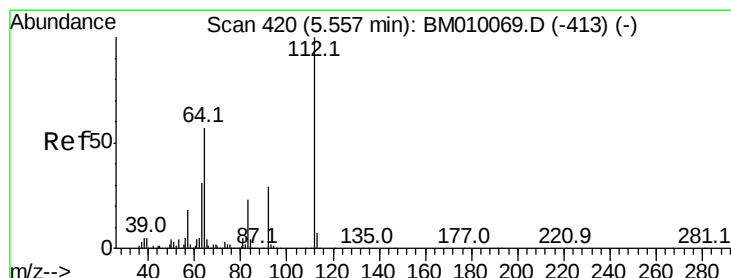
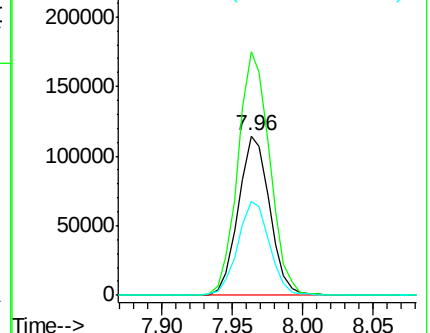
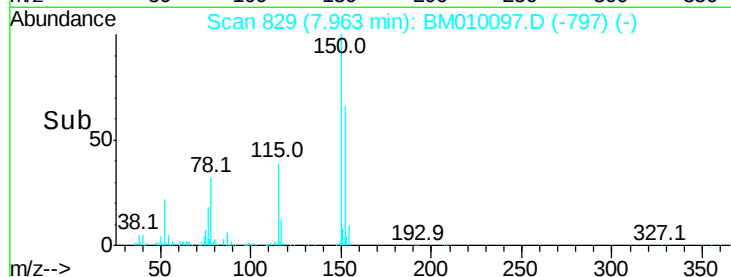
115 58.9 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 162.23 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

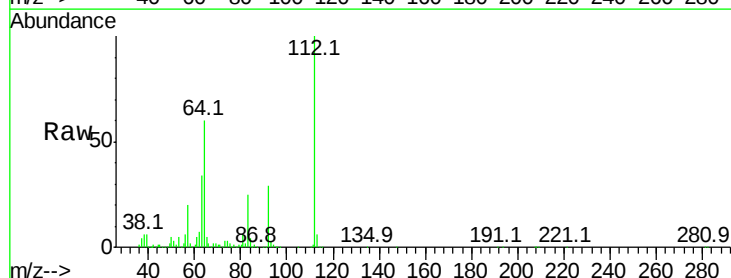
Tgt Ion:112 Resp: 1600212

Ion Ratio Lower Upper

112 100

64 60.3 38.6 57.8#

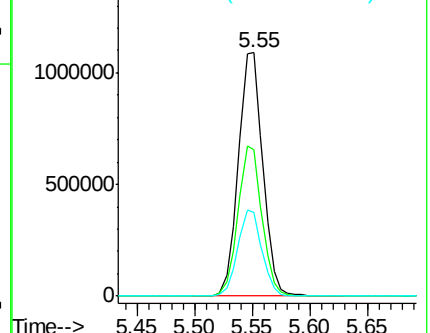
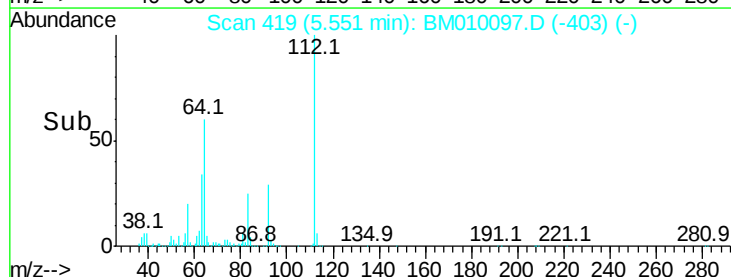
63 34.2 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 157.52 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

Instrument :

BNA\_M

ClientSampleId :

EAST

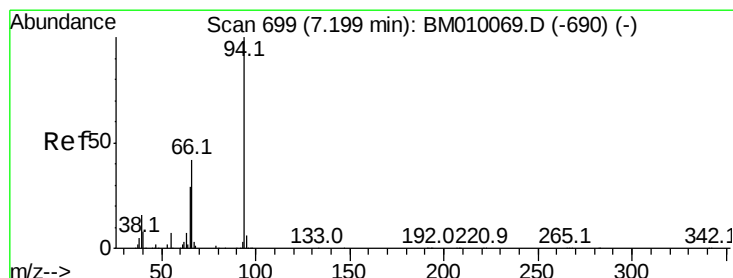
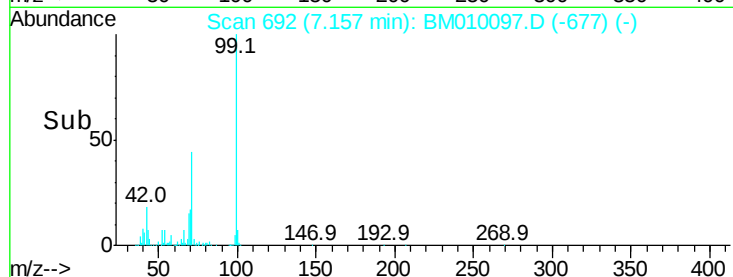
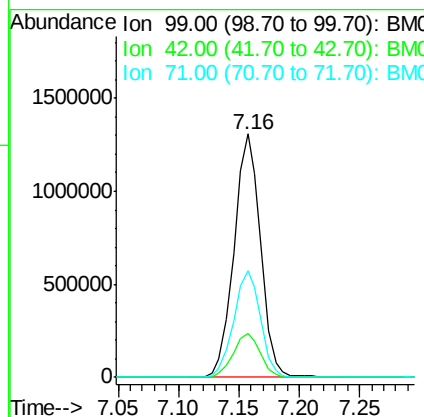
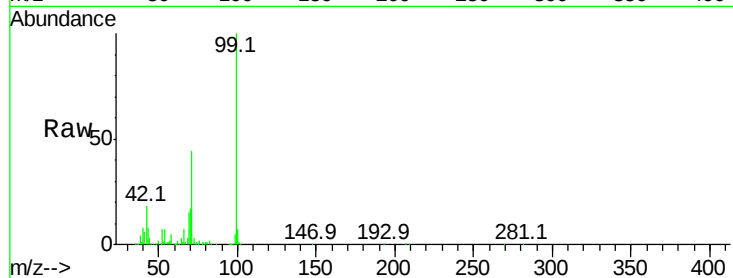
Tot Ion: 99 Resp: 1999257

Ion Ratio Lower Upper

99 100

42 18.0 11.0 16.4#

71 44.0 23.4 35.2#



#10

Phenol

Concen: 3.14 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

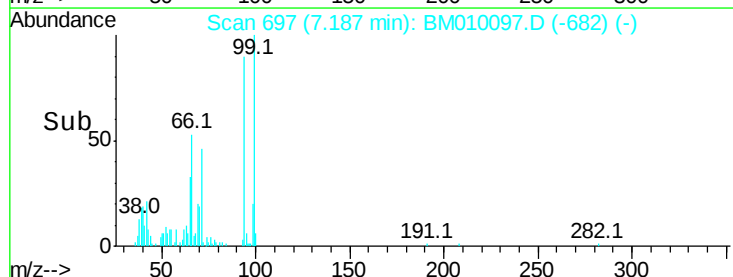
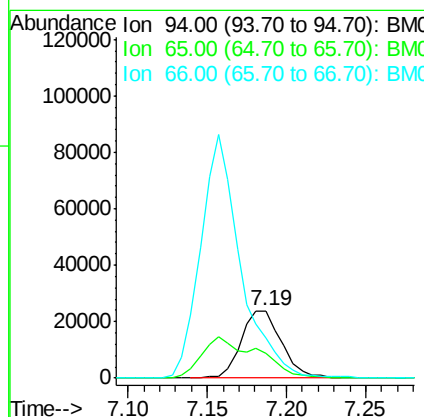
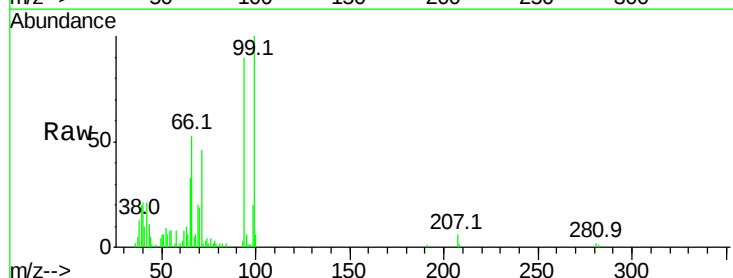
Tgt Ion: 94 Resp: 41951

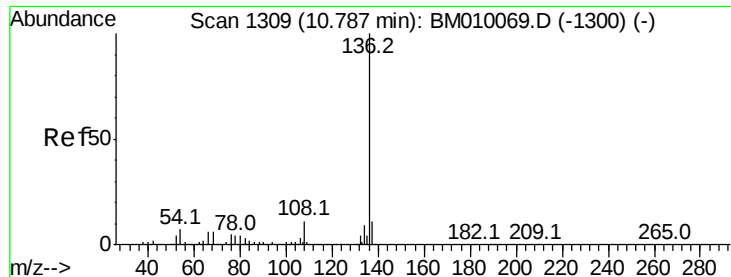
Ion Ratio Lower Upper

94 100

65 36.8 18.8 58.8

66 58.8 39.9 79.9

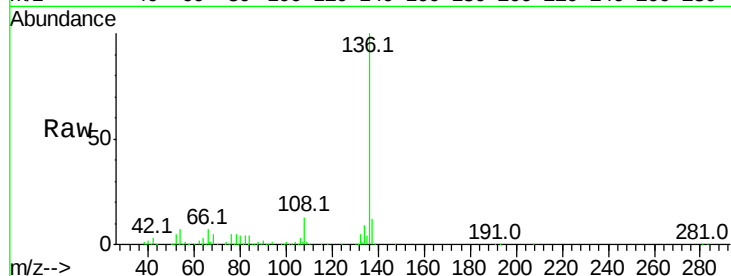




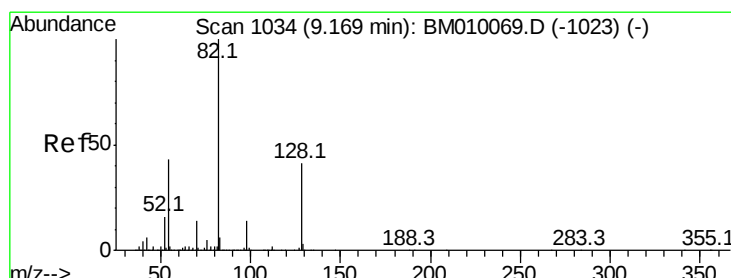
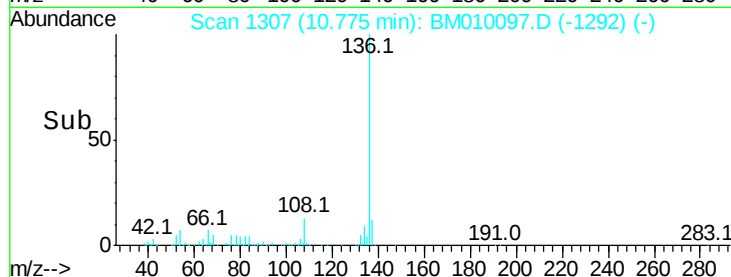
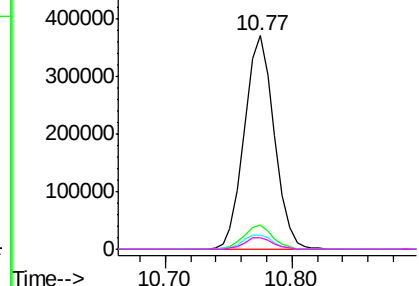
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BM010097.D  
Acq: 22 May 2017 12:00

Instrument :  
BNA\_M  
ClientSampled :  
EAST

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 607001      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.7  | 8.7 13.1    |
| 54          | 6.6   | 4.6 6.8     |
| 68          | 5.3   | 3.7 5.5     |

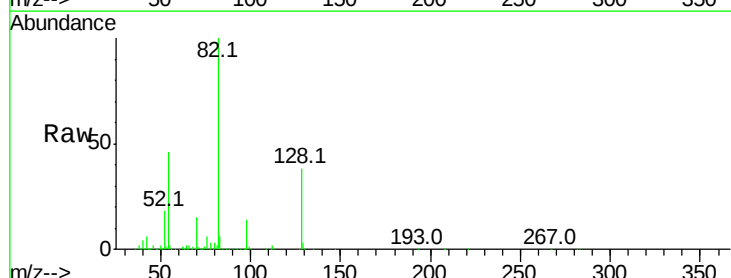


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

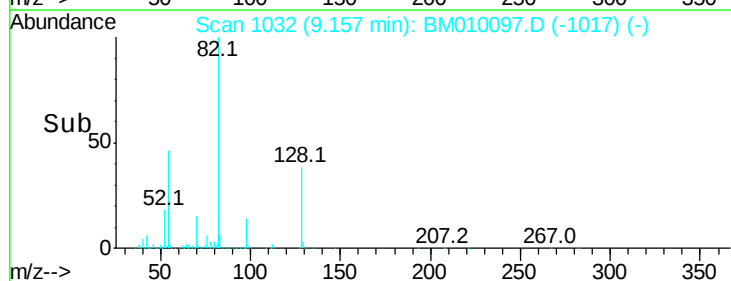
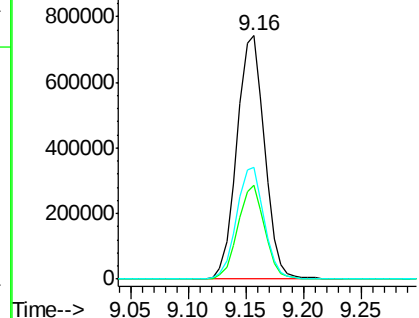


#23  
Nitrobenzene-d5  
Concen: 110.11 ng  
RT: 9.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BM010097.D  
Acq: 22 May 2017 12:00

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1238840     |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 38.3  | 32.8 49.2   |
| 54          | 45.8  | 40.6 60.8   |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.60 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

Instrument :

BNA\_M

ClientSampleId :

EAST

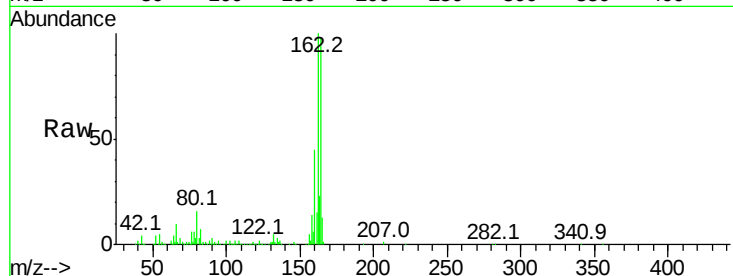
Tot Ion:164 Resp: 384068

Ion Ratio Lower Upper

164 100

162 101.8 82.4 123.6

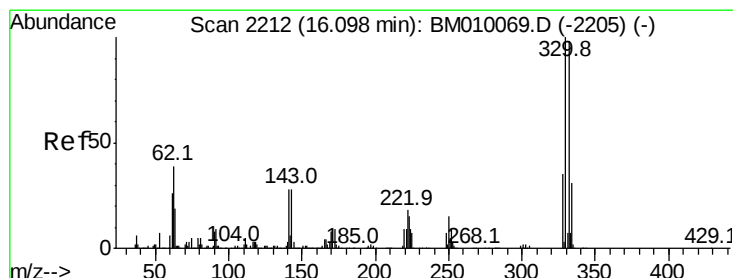
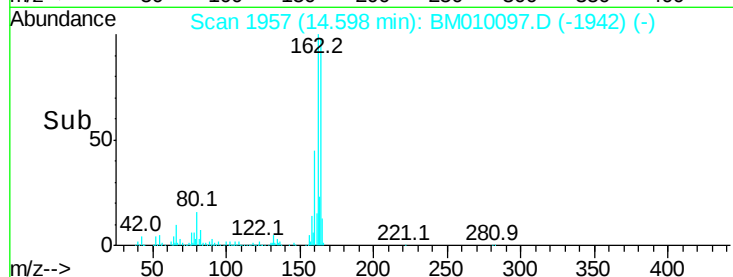
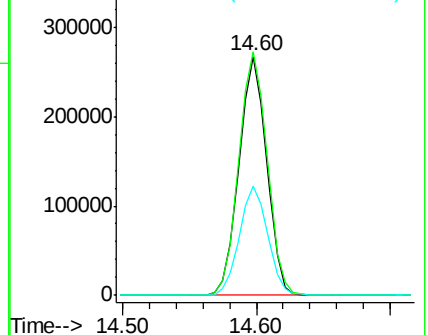
160 45.6 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 162.33 ng

RT: 16.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

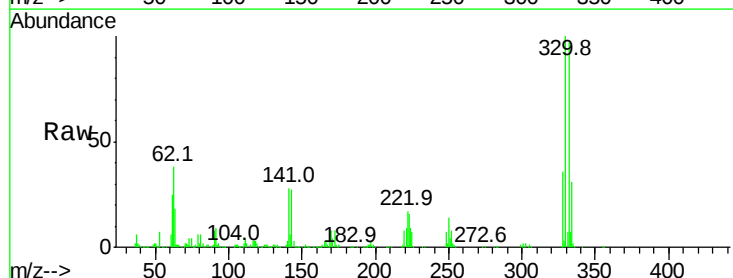
Tgt Ion:330 Resp: 946898

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

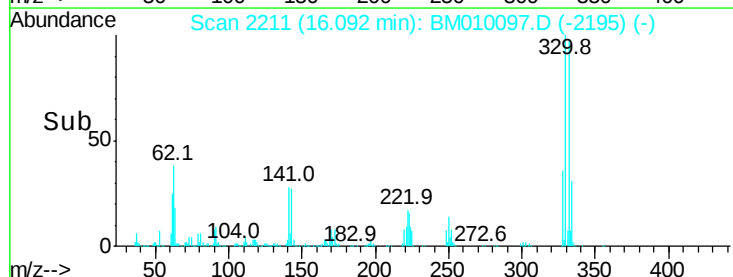
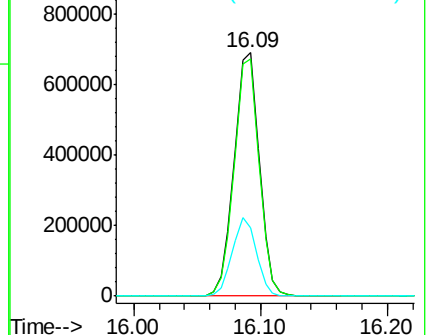
141 31.0 0.0 0.0#

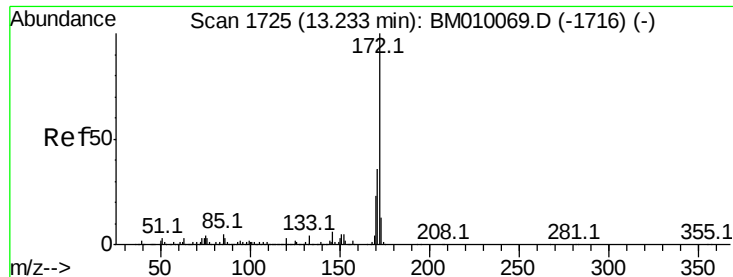


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

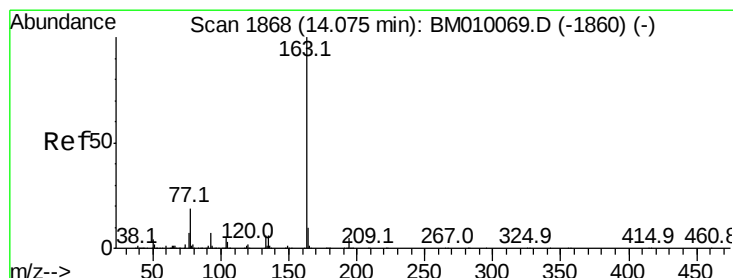
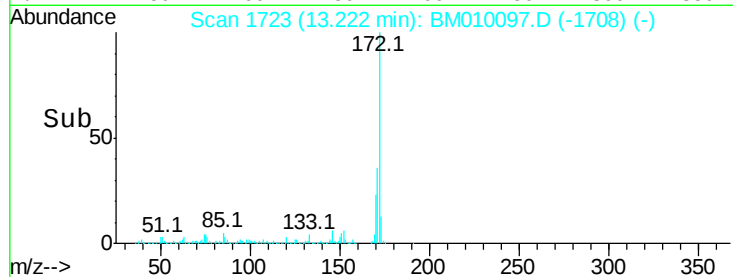
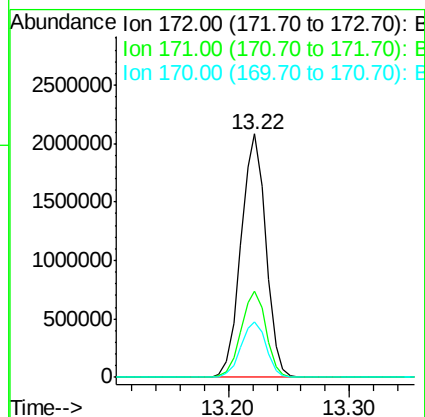
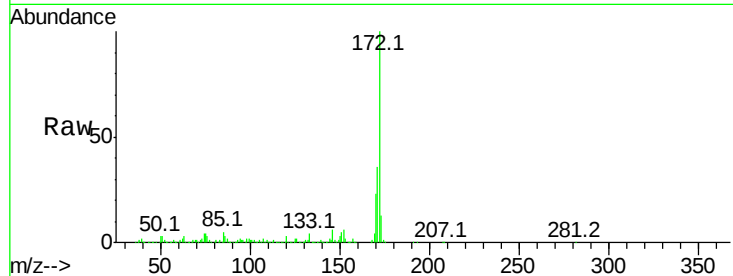




#44  
2-Fluorobiphenyl  
Concen: 100.13 ng  
RT: 13.22 min Scan# 1723  
Delta R.T. -0.01 min  
Lab File: BM010097.D  
Acq: 22 May 2017 12:00

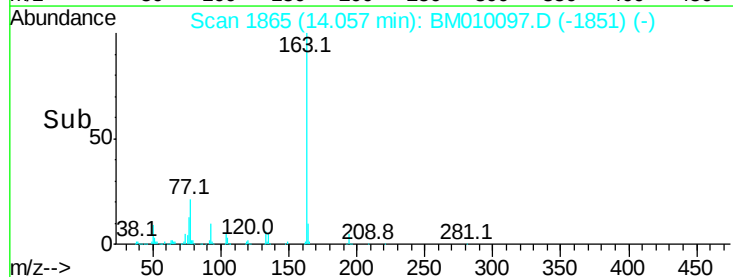
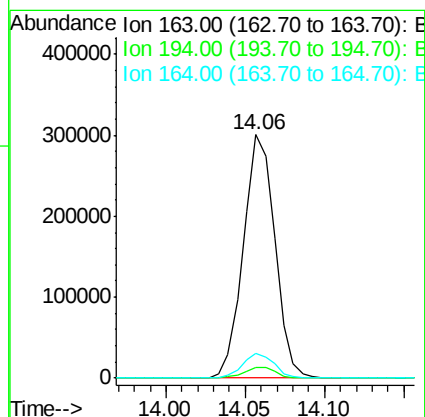
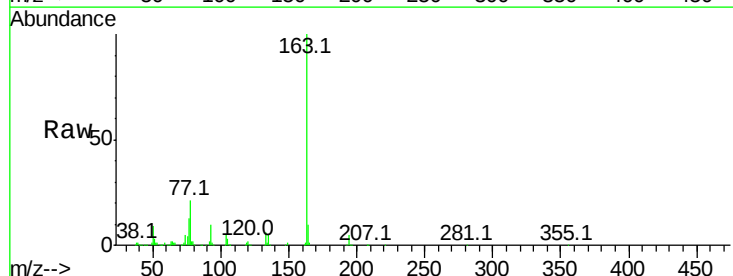
Instrument :  
BNA\_M  
ClientSampled :  
EAST

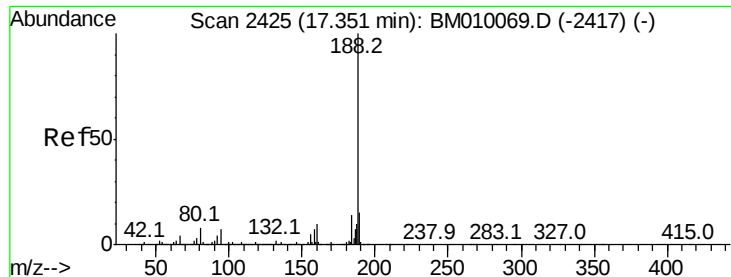
Tot Ion:172 Resp: 2991288  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 22.7 18.8 28.2



#49  
Dimethylphthalate  
Concen: 12.14 ng  
RT: 14.06 min Scan# 1865  
Delta R.T. -0.02 min  
Lab File: BM010097.D  
Acq: 22 May 2017 12:00

Tgt Ion:163 Resp: 416034  
Ion Ratio Lower Upper  
163 100  
194 4.6 2.7 4.1#  
164 9.9 8.2 12.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.34 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

Instrument :

BNA\_M

ClientSampleId :

EAST

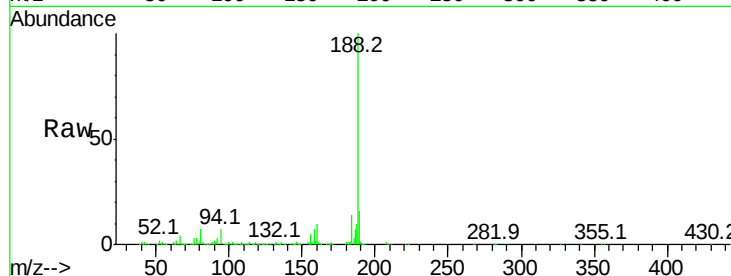
Tot Ion:188 Resp: 943460

Ion Ratio Lower Upper

188 100

94 6.6 8.7 13.1#

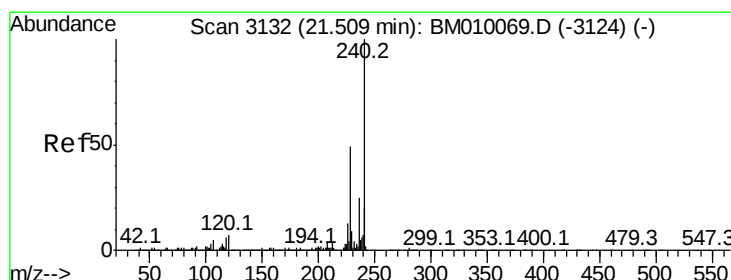
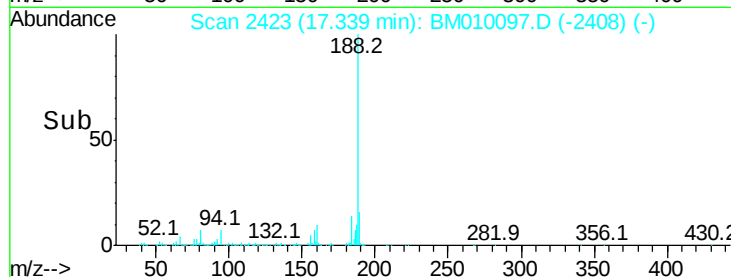
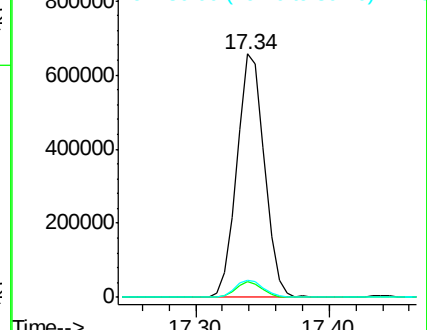
80 7.2 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.50 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

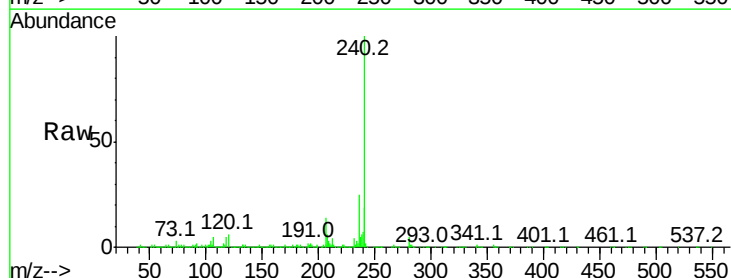
Tgt Ion:240 Resp: 1418352

Ion Ratio Lower Upper

240 100

120 5.8 8.2 12.2#

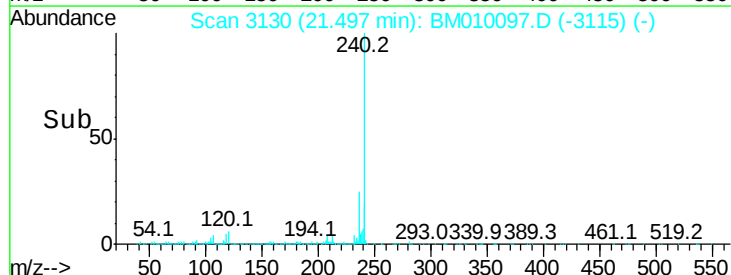
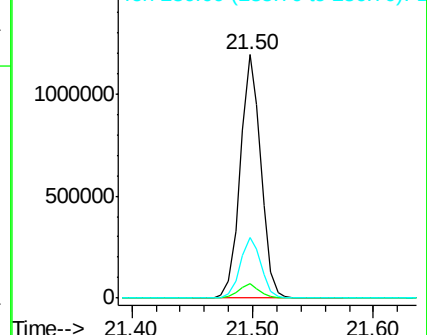
236 24.8 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.22 ng

RT: 19.94 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

Instrument :

BNA\_M

ClientSampleId :

EAST

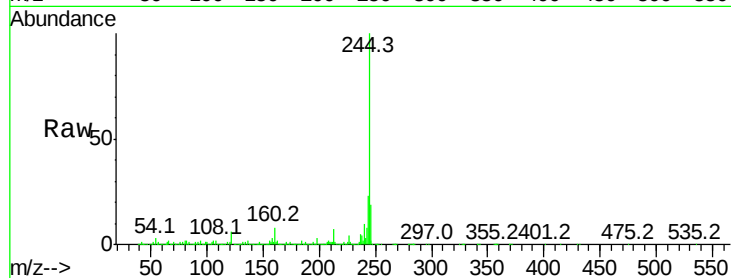
Tot Ion:244 Resp: 5191315

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

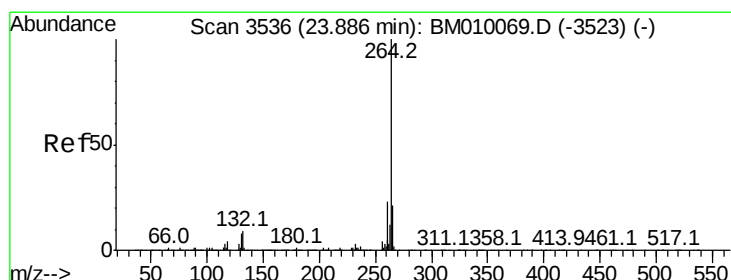
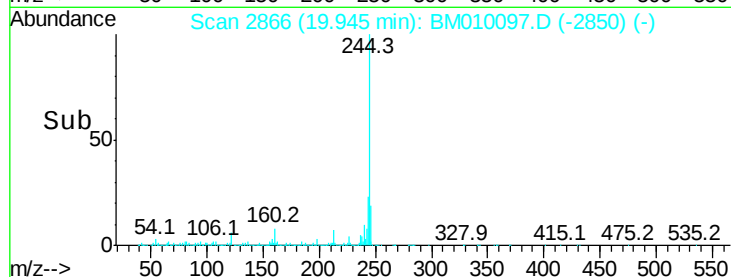
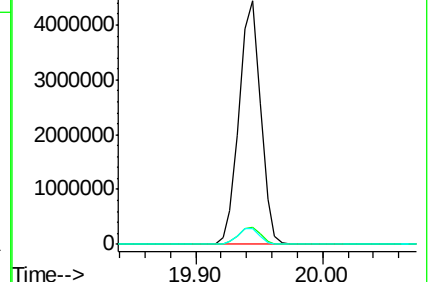
122 6.4 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.87 min Scan# 3533

Delta R.T. -0.02 min

Lab File: BM010097.D

Acq: 22 May 2017 12:00

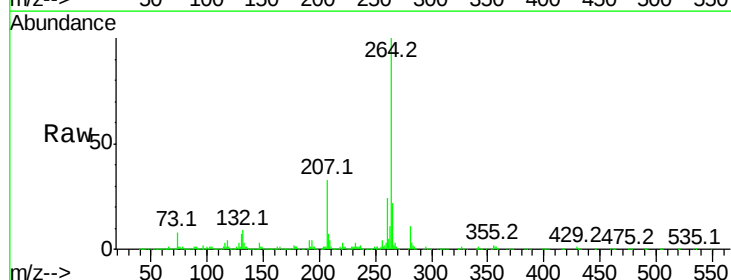
Tgt Ion:264 Resp: 1572767

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.4 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

